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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/761,816	316 01/20/2004		Alexander R. Ivanov	NU-624XX	9984
207	7590	06/27/2005		EXAMINER	
		CHURGIN, GAGN	THERKORN, ERNEST G		
TEN POST OFFICE SQUARE BOSTON, MA 02109				ART UNIT	PAPER NUMBER
				1723	-

DATE MAILED: 06/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
Office Anti Comme	10/761,816	IVANOV ET AL.			
Office Action Summary	Examiner	Art Unit			
	Ernest G. Therkorn	1723			
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	vith the correspondence address			
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO  - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication  - If the period for reply specified above is less than thirty (30) days, a  - If NO period for reply is specified above, the maximum statutory pe  - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the m earned patent term adjustment. See 37 CFR 1.704(b).	DN. R 1.136(a). In no event, however, may a . I reply within the statutory minimum of thi riod will apply and will expire SIX (6) MOI atute. cause the application to become A	reply be timely filed  rty (30) days will be considered timely.  NTHS from the mailing date of this communication.  BANDONED (35 U.S.C. & 133)			
Status					
1) Responsive to communication(s) filed on $\underline{0}$	2 June 2005.	•			
2a) This action is <b>FINAL</b> . 2b) ⊠ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice und					
Disposition of Claims					
4) Claim(s) 1-16 is/are pending in the applicat	ion				
4a) Of the above claim(s) <u>1-4,15 and 16</u> is/s		ation			
5) Claim(s) is/are allowed.		3.001.			
6)⊠ Claim(s) <u>5-14</u> is/are rejected.					
7) Claim(s) is/are objected to.	·				
8) Claim(s) are subject to restriction an	d/or election requirement.				
Application Papers	·				
9)☐ The specification is objected to by the Exam	oinos	•			
10) The drawing(s) filed on is/are: a)		hu tha Evanian			
Applicant may not request that any objection to					
		• •			
Replacement drawing sheet(s) including the cor 11) The oath or declaration is objected to by the					
The dain of declaration is objected to by the	Examiner. Note the attache	d Office Action of form P1O-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fore	ign priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority docum					
2. Certified copies of the priority docum					
3. Copies of the certified copies of the p		received in this National Stage			
application from the International Bur		•			
* See the attached detailed Office action for a	iist of the certified copies not	received.			
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) 🔲 Interview S	Summary (PTO-413)			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(	s)/Mail Date			
	ms) 5)   Notice of I	nformal Patent Application (PTO-152)			
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date	6) Other:	<i>(1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1</i>			

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 5-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Frechet (U.S. Patent No. 6,887,384) in view of Xie (U.S. Patent No. 6,749,749). At best, the claims differ from Frechet (U.S. Patent No. 6,887,384) in reciting degassing and use of pressure. Xie (U.S. Patent No. 6,749,749) (column 22, lines 34-45) discloses that degassing the polymerization mixture gets rid of oxygen, which acts as an inhibitor and is detrimental to the resolution and reproducibility of the columns. Xie (U.S. Patent No. 6,749,749) (column 7, lines 41-44) discloses that applying pressure during polymerization compensates for shrinkage and creates uniformity in the distribution of separation-effective openings and avoids wall effect voids. It would have been obvious to degas and use pressure in Frechet (U.S. Patent No. 6,887,384) because Xie (U.S. Patent No. 6,749,749) (column 22, lines 34-45) discloses that degassing the polymerization mixture gets rid of oxygen, which acts as an inhibitor and is detrimental to the resolution and reproducibility of the columns, and Xie (U.S. Patent No. 6,749,749) (column 7, lines 41-44) discloses that applying pressure during polymerization compensates for shrinkage and creates uniformity in the distribution of separation-effective openings and avoids wall effect voids.

The restriction has been reconsidered, deemed proper, and made final for the reasons of record.

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Any inquiry concerning this communication should be directed to E. Therkorn at telephone number (571) 272-1149. The official fax number is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ernest G. Therkorn Primary Examiner

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EGT June 21, 2005